ADAPTIVE IMAGE FILTERING BASED ON A DISTANCE TRANSFORM

5 **ABSTRACT**

A method for reducing visual artifacts in reconstructed images. One embodiment of the method determines edge energy for each pixel in the image and then compares the edge energy for each pixel to a threshold, producing an edge map. A distance transform is then used to produce a filter map and a filter is applied to pixel in the image, such that the filter

10 applied is dependent upon a filter map value for each pixel. An output value for each pixel is then produced.